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09/885,436	06/18/2001	Jason F. Hunzinger	09752-091001	4227
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HARNESS, D	DICKEY & PIERCE,	LY, NGHI H		
P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			ART UNIT	PAPER NUMBER
			2686	THE DRIVENIES
				-
			DATE MAILED: 08/09/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/885,436	HUNZINGER, JASON F.				
Office Action Summary	Examiner	Art Unit				
	Nghi H. Ly	2686				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the	correspondence address -				
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a rep - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b). Status	136(a). In no event, however, may a reply be oly within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS fro e, cause the application to become ABANDON	timely filed ays will be considered timely. m the mailing date of this communication. IED (35 U.S.C. § 133).				
·						
1) Responsive to communication(s) filed on <u>04/2</u>						
· <u> </u>	s action is non-final.	•				
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims	•					
4) Claim(s) 1-34,39-43 and 117-128 is/are pendidual of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-34,39-43 and 117-128 is/are reject 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or Application Papers 9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acc	ewn from consideration. Ted. The reduction requirement. The reduction requirement.	e Examiner.				
Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the E	ction is required if the drawing(s) is c	bjected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureat * See the attached detailed Office action for a list	ts have been received. ts have been received in Applica prity documents have been recei uu (PCT Rule 17.2(a)).	ntion No ved in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summa Paper No(s)/Mail) 5) Notice of Informal 6) Other:					

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DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1, 4, 7-9, 12, 13, 16, 18, 20, 23, 24, 27, 29-31, 33, 39, 41 and 117-128 are rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958).

Regarding claims 1, 9, 18, 23, 29 and 39, Borkowski teaches a system for communicating information related to the position of a mobile station within a wireless communication infrastructure (see Abstract), comprising a data server capable of communicating with the wireless communication infrastructure (see fig4, server 49 and wireless connection with the mobile station), wherein the mobile station and the data server communicate via the wireless communication infrastructure using formatted messages wireless communication infrastructure state information related to the position of the mobile station within the service area of the wireless communication infrastructure (see column 1, lines 29-58).

Borkowski does not specifically disclose the formatted messages containing a difference between previous and current wireless communication infrastructure state information.

Bergen teaches the formatted messages containing a difference between previous and current wireless communication infrastructure state information (see column 6, lines 45-50).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Bergen into the system of Borkowski in order

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track the location of each of one or more designated mobile phones throughout a call or any specified period of time (see Bergen, column 2, lines 22-26).

Regarding claims 4 and 27, Borkowski further teaches the mobile station is a cellular telephone (fig.4, see mobile station).

Regarding claims 7, 8, 12, 16, 20 and 41, the combination of Borkowski and Bergen teaches claims 1, 9, 18, 23, 29, and 39, but fails to specifically teach that the state information is in the form of a standard string format or the more critical information is listed first in the string or the formatted messages are browser calls or the formatted message is a text string or placing the more important information at the beginning of the formatted message as claimed.

However, the Examiner takes Official Notice that state information is in the form of a standard string format or the more critical information is listed first in the string or the formatted messages are browser calls or the formatted message is a text string or placing the more important information at the beginning of the formatted message as claimed are very well known in the art.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teaching of Borkowski and Bergen as claimed in order to improve the state information is in the form of a standard string format or the more critical information is listed first in the string or the formatted messages are browser calls or the formatted message is a text string or placing the more important information at the beginning of the formatted message.

Regarding claim 24, Borkowski further teaches the mobile station communicates the message to a base station (see fig4, server 49 and wireless connection with the mobile station).

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Regarding claim 13, Borkowski further teaches the mobile station communicates via the base station the formatted messages to an application or service on the data server (see fig4, server 49 and wireless connection with the mobile station).

Regarding claim 30, Borkowski further teaches the data server communicates with a base station (see fig4, server 49 and wireless connection with the mobile station).

Regarding claim 31, Borkowski further teaches the base station communicates with the mobile station (see fig4, server 49 and wireless connection with the mobile station).

Regarding claim 33, Borkowski further teaches a network database correlated with position information (see column 8, lines 22-27).

Regarding claim 117, Borkowski teaches a system for communicating information related to the position of a mobile station within a wireless communication infrastructure (see Abstract). Borkowski does not specifically disclose the difference between the previous and the current wireless communication infrastructure state information is related to the present position of the mobile station.

Bergen teaches the difference between the previous and the current wireless communication infrastructure state information is related to the present position of the mobile station (see column 6, lines 45-50).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Bergen into the system of Borkowski in order track the location of each of one or more designated mobile phones throughout a call or any specified period of time (see Bergen, column 2, lines 22-26).

Regarding claim 118, Borkowski teaches a system for communicating information related to the position of a mobile station within a wireless communication infrastructure (see Abstract). Borkowski does not specifically disclose the difference between the previous and the

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current wireless communication infrastructure state information is determined from the previous wireless communication infrastructure state information cached in the mobile station.

Bergen teaches the difference between the previous and the current wireless communication infrastructure state information is determined from the previous wireless communication infrastructure state information cached in the mobile station. (see column 6, lines 45-50).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Bergen into the system of Borkowski in order track the location of each of one or more designated mobile phones throughout a call or any specified period of time (see Bergen, column 2, lines 22-26).

Regarding claims 119, 121, 123, 125 and 127, Borkowski teaches a system for communicating information related to the position of a mobile station within a wireless communication infrastructure (see Abstract). Borkowski does not specifically disclose the difference between the previous and the current mobile station position informations is related to the present position of the mobile station.

Bergen teaches the difference between the previous and the current mobile station position informations is related to the present position of the mobile station (see column 6, lines 45-50).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Bergen into the system of Borkowski in order to track the location of each of one or more designated mobile phones throughout a call or any specified period of time (see Bergen, column 2, lines 22-26).

Regarding claims 120, 122, 124, 126 and 128, Borkowski teaches a system for communicating information related to the position of a mobile station within a wireless

communication infrastructure (see Abstract). Borkowski does not specifically disclose the difference between the previous and the current mobile station position information is determined from the previous mobile station position information cached in the mobile station.

Bergen teaches the difference between the previous and the current mobile station position information is determined from the previous mobile station position information cached in the mobile station (see column 6, lines 45-50).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Bergen into the system of Borkowski in order track the location of each of one or more designated mobile phones throughout a call or any specified period of time (see Bergen, column 2, lines 22-26).

3. Claims 2, 11, 22, 26 and 43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958) and further in view of Rantalainen et al (US 6,667,963).

Regarding claims 2, 11, 22, 26 and 43, the combination of Borkowski and Bergen teaches claim 1. The combination of Borkowski and Bergen does not specifically disclose the formatted messages are short message service (SMS) messages.

Rantalainen teaches the formatted messages are short message service (SMS) messages (see column 6, lines 7-11).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Rantalainen into the system of Borkowski and Buergen in order to provide an alternative way to transmit location data.

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4. Claims 3, 10, 14, 15, 21, 25, 34 and 42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958) and further in view of Linden et al (US 6,549,773).

Regarding claims 3, 10, 21, 25, 34 and 42, the combination of Borkowski and Bergen teaches claim 1. The combination of Borkowski and Bergen does not specifically disclose the wireless communication infrastructure uses code division multiple access.

Linden teaches the wireless communication infrastructure uses code division multiple access (see column 1, lines 30-33).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Linden into the system of Borkowski and Buergen in order to permit channel overlap between base stations.

Regarding claims 14 and 15, the combination of Borkowski and Bergen teaches claim 1.

The combination of Borkowski and Bergen does not specifically disclose the application or service on the data server is the Wireless Markup Language Script (WMLScript).

Linden teaches the application or service on the data server is the Wireless Markup Language Script (WMLScript) (see column 5, lines 11-15).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Linden into the system of Borkowski and Bergen in order to provide binary encoded for optimum transmission efficiency.

5. Claims 5 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958) and further in view of Falco et al (US 6,493,539).

Regarding claims 5 and 28, the combination of Borkowski and Bergen teaches claim 1.

The combination of Borkowski and Bergen does not specifically disclose the mobile station is a PCS handset.

Falco teaches the mobile station is a PCS handset (see column 1, lines 14-17).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Falco into the system of Borkowski and Bergen in order to prevent call termination due to interference.

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958) and further in view of Kong (US 6,275,186).

Regarding claim 6, the combination of Borkowski and Bergen teaches claim 1. The combination of Borkowski and Bergen does not specifically disclose the state information related to the position of the mobile station includes a base station identification and sector pseudo-noise offset.

Kong teaches the state information related to the position of the mobile station includes a base station identification and sector pseudo-noise offset (see column 3, lines 31-38).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Kong into the system of Borkowski and Bergen in order to provide an alternative way to determine the location of the mobile station.

7. Claims 17, 19, 32 and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Borkowski et al (US 5,519,760) in view of Bergen (US 6,097,958) and further in view of Chiang et al (US 6,741,863).

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Regarding claim 17, the combination of Borkowski and Bergen teaches claims 9. The combination of Borkowski and Bergen does not specifically disclose the mobile station position information is derived from base station identification.

Chiang teaches the mobile station position information is derived from base station identification (see column 2, lines 31-37).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Chiang into the system of Borkowski and Bergen in order to provide an alternative way to determine the location of the mobile station.

Regarding claims 19 and 40, the combination of Borkowski and Bergen teaches claims

9. The combination of Borkowski and Bergen does not specifically disclose detecting the base station identification information to determine the position information.

Chiang teaches detecting the base station identification information to determine the position information (see column 2, lines 31-37).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the teaching of Chiang into the system of Borkowski and Bergen in order to provide an alternative way to determine the location of the mobile station.

Regarding claim 32, the combination of Borkowski and Bergen teaches claims 9. The combination of Borkowski and Bergen does not specifically disclose the position information is used to determine appropriate data to transmit back to the mobile station.

Chiang teaches the position information is used to determine appropriate data to transmit back to the mobile station (see column 2, lines 31-37 and see column 3, line 61 to column 4, line 23).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the

invention was made to provide the teaching of Chiang into the system of Borkowski and Bergen in order to provide an alternative way to determine the location of the mobile station.

Response to Arguments

8. Applicant's arguments with respect to claims 1-34, 39-43 and 117-128 have been considered but are most in view of the new ground(s) of rejection.

Conclusion

9. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nghi H. Ly whose telephone number is (571) 272-7911. The examiner can normally be reached on 8:30 am-5:30 pm Monday-Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marsha Banks-Harold can be reached on (571) 272-7905. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nghi H. Ly

DUS 88/05/05

> CHAFT ES APPIAH PRIMARY EXAMINER